

Title (en)  
Cleaning device

Title (de)  
Reinigungsvorrichtung

Title (fr)  
Dispositif de nettoyage

Publication  
**EP 2380670 A2 20111026 (DE)**

Application  
**EP 11003386 A 20110421**

Priority  
DE 102010018010 A 20100423

Abstract (en)  
The device has a carrier comprising wall elements (43) that are manufactured from sheet metal, where side parts of the wall elements are connected with one another by bar-shaped connector. Upper parts of the wall elements form a cover for an endless cleaning belt (13) provided with bristles. The cleaning belt is arranged at the carrier, and a fluid supply device (15) comprising a joint unit (29) is connected to a separate high-pressure cleaner. A holding device (19) is connected to the carrier, where the holding device and the carrier are pivotable with respect to one another. An independent claim is also included for a solar or photovoltaic system comprising an inclined surface and a guiding and holding device.

Abstract (de)  
Die Erfindung betrifft eine Vorrichtung zum Reinigen von insbesondere geneigten Flächen, insbesondere von Solar- oder Photovoltaikanlagenflächen auf Dächern von Gebäuden, mit einem Träger (11) und wenigstens einem am Träger (11) gehaltenen, angetriebenen Endlosreinigungsband (13).

IPC 8 full level  
**B08B 1/00** (2006.01); **B08B 3/02** (2006.01); **F24J 2/46** (2006.01)

CPC (source: EP US)  
**B08B 1/30** (2024.01 - EP US); **B08B 3/02** (2013.01 - EP US); **F24S 40/20** (2018.04 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/40** (2013.01 - EP US)

Cited by  
CN108941012A; CN111389786A; CN105834574A; EP3835684A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2380670 A2 20111026**; **EP 2380670 A3 20140416**; DE 102010018010 A1 20111027; US 2011258804 A1 20111027

DOCDB simple family (application)  
**EP 11003386 A 20110421**; DE 102010018010 A 20100423; US 201113091226 A 20110421